



WASHOE COUNTY

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CM/ACM _____
Finance DN
DA _____
Risk Mgt. DE
HR N/A
Other N/A

STAFF REPORT

BOARD MEETING DATE: 1/26/2016

DATE: 1/6/2016
TO: Board of County Commissioners
FROM: The Regional Basemap Committee
THROUGH: Craig Betts, Chief Information Officer,
Washoe County Technology Services Department,
775-328-2355, cbetts@washoecounty.us

SUBJECT: Award Washoe County Bid No. 2943-16 for Ortho-Photography and 2-foot Contour Products on behalf of Washoe County and the Joinder Agencies (the Cities of Sparks and Reno, and Nevada Power Company) to the Geophex, Ltd., 605 Mercury St., Raleigh, NC 27603 in the amount of \$196,844.56. Authorize the Purchasing and Contracts Administrator to purchase additional mapping products from the same vendor through December 31, 2016 provided there is no increase in the pricing structure. (All Commission Districts.)

SUMMARY

Award Washoe County Bid No. 2943-16 for Ortho-Photography and 2-foot Contour Products on behalf of Washoe County and the Joinder Agencies (the Cities of Sparks and Reno, and Nevada Power Company) to Geophex, LTD, 605 Mercury St., Raleigh, NC 27603 in the amount of \$196,844.56. Authorize the Purchasing and Contracts Administrator to purchase additional mapping products from the same vendor through December 31, 2016 provided there is no increase in the pricing structure.

This item allows Washoe County to effectively plan and increase the safety and security of our region, to improve County government efficiency and financial stability, to promote regional collaboration and quality economic development, and to support our quality of life preservation effort.

Washoe County Strategic Objective supported by this item: Safe, secure and healthy communities.

AGENDA ITEM # 12

PREVIOUS ACTION

On February 22, 2000, the Board contracted with Nies Mapping Group, Inc. (later renamed as Triathlon Mapping Group) on behalf of the Regional Basemap Committee to update the ortho-photography and create a 2-foot contour product of the Truckee Meadow areas (Bid No. 2213-2000). The company fulfilled the contract and delivered high quality products on schedule.

On November 28, 2001, with concurrence from the Washoe County Purchasing Department and approval from the Regional Basemap Committee, Triathlon Mapping Group, Inc. was recommended to perform this work again for Washoe County with lower prices. The company fulfilled the contract and delivered high quality products on schedule.

On July 13, 2004, the Board contracted with Sanborn Map Company, Inc. on behalf of the Regional Basemap Committee and Douglas County to update the ortho-photography and create a 2-foot contour product of the Truckee Meadow and Douglas County areas (Bid No. 2428-04). The company delivered the end products on a delayed schedule.

On January 31, 2006, the Board awarded Washoe County Bid No. 2507-06 for Ortho-Photography, 2-foot Contour and Building Footprint Products on behalf of Washoe County and the Joinder Agencies (the Cities of Sparks and Reno, Sierra Pacific Power Company, Carson City and Douglas County) to the Mapcon Mapping Company, Inc.

BACKGROUND

In October 1997, the Board contracted with a vendor to acquire digital ortho-photography as a tool to be used in improving the accuracy of the County's parcel base. At that time the Board also allocated funds to update and keep the photography current on a two (2) year cycle.

On June 23, 1998, the Board adopted an inter-local agreement with the Cities of Sparks and Reno, creating the Regional Basemap Committee to implement digital submission standards; provide on-going review and update of the standards; implement procedures to enhance the parcel base; densifying ground control; and coordinate on-going acquisition of digital ortho-photography throughout Sparks, Reno and southern Washoe County. Since then, seven ortho-photography and contour mapping projects were executed in the year 2000, 2002, 2004, 2006, 2007, 2008, and 2010.

A RFP #2943-16 was issued by Washoe County Purchasing Department on October 1, 2015, on behalf of the Regional Basemap Committee for orthophoto mapping products to support the development of a high accuracy GIS land base. The project cost is funded by the Regional Basemap Committee which consists of the City of Sparks, the City of Reno, Nevada Power Company and Washoe County.

Four (4) proposal responses were received and opened in the Purchasing Department at COB, November 19, 2015.

Digital Mapping Inc.

21062 Brookhurst St. Suite 101

Huntington Beach, CA 92646

Geophex, Ltd.
605 Mercury Street
Raleigh, North Carolina 27603

Quantum Spatial
517 Southwest 2nd
Corvallis, Or. 97333

Sanborn Mapping
1935 Jamboree Drive
Colorado Springs, CO 80920

After reviewing the proposals per the selection and award criteria (Attachment A – Table 1), the Regional Basemap Committee submitted the selection score and recommend Geophex, Ltd. on December 15, 2005 (Attachment A – Table 2).

The ortho-photography product is the base for GIS mapping. All of the GIS data layers, including parcel base, are rectified based on the ortho-photography. The photo products are routinely used for planning, permit evaluation, court exhibition, and environmental monitoring. The 2-foot contour data are detailed topographic information used for preliminary engineering design and flood management. Building footprint and elevation information allows three dimensional mapping and modeling. It can be used for flood management, homeland security, city planning and others. The users of these mapping products include:

1. Washoe county: Community Development, Public Works, Building and Safety, Assessor's Office, Water Resources, District Health, Parks, Sheriff, District Attorney, Manager's Office and Tech Services/GIS.
2. Other local Governments: City of Sparks, City of Reno, RTC, TMWA, and Washoe County School District.
3. Private Sector: Nevada Power Company, local engineering companies, real estate agencies and the general public.

FISCAL IMPACT

This project will be funded by Regional Basemap Committee data licensing revenue. Fiscal Year 2015-2016 budget authority and cash exists within the Basemap Committee fund in the amount of [\$196,844.56] from IN20012 Fund – GL 710100 Professional Services.

RECOMMENDATION

It is recommended the Board award the proposal for Ortho-Photography and 2-foot Contour Products on behalf of Washoe County and the Joinder Agencies (the Cities of Sparks and Reno, and Nevada Power Company) to the Geophex, Ltd., 605 Mercury St., Raleigh, NC 27603 in the amount of \$196,844.56. Authorize the Purchasing and

Contracts Administrator to purchase additional mapping products from the same vendor through December 31, 2016 provided there is no increase in the pricing structure.

POSSIBLE MOTION

Move to award Washoe County Bid No. 2507-06 for Ortho-Photography and 2-foot Contour Products on behalf of Washoe County and the Joinder Agencies (the Cities of Sparks and Reno, and Nevada Power Company) to the Geophex, Ltd., 605 Mercury St., Raleigh, NC 27603 in the amount of \$196,844.56. Authorize the Purchasing and Contracts Administrator to purchase additional mapping products from the same vendor through December 31, 2016 provided there is no increase in the pricing structure.

Attachment A

Table A Orthophoto Mapping Product Selection Criteria.

Weight Factor	Criteria
30%	Proposer's qualifications Experience with orthophotos and contouring Experience of project personnel Client references of similar projects Adequacy of production facilities Sample digital orthophotos in geographic group Stability of the company
25%	Proposer's understanding of needs and approach Proposed methodology Quality control procedures
25%	Proposer's proposed fee
15%	Commitment and capacity to assume project schedule
5%	Participation of local firm
100%	Total

Table B. Orthophoto Mapping Product Selection Score.

Scoring of 2016 Ortho-photo Project RFP Responses (Washoe County RFP # 2943-16)

CRITERIA	DMI	<u>Geophex</u>	Quantum	Sanborn Off-Shore	Sanborn On-Shore
Proposer's qualifications (30%)	10	25	25	20	20
Understanding of needs and approach (25%)	10	25	25	25	25
Proposed fee (25%)	25	15	0	20	10
Commitment to assume project schedule (15%)	7	15	15	5	5
Local firm participation (5%)	0	0	0	0	0
TOTAL SCORE	52	80	65	70	60